## ABSTRACT

In a network, said network comprising multiple components coupled in a distributed manner wherein distributed programs execute across said multiple components and data associated with the execution of said distributed programs is generated by said multiple components; a novel method and system for logging distributed program trace data is disclosed, the method and system comprising steps and means for generating data associated with the execution of said distributed programs from each said multiple components; processing said data associated with the execution of said distributed programs from each said multiple components; and displaying said processed data to a user, said data associated with the execution of said distributed programs generated by said multiple components for a user of said network. Additionally, the system can dynamically adjust the level of diagnostic data available from a set of network elements according to user/operator specific commands.